

SEQUENCE LISTING

<110> Bristol-Myers Squibb Company

<120> POLYNUCLEOTIDE ENCODING A NOVEL HUMAN SERPIN SECRETED FROM LYMPHOID CELLS, LSI-01

<130> D0051.NP

<150> US 60/248,434

<151> 2000-11-14

<150> US 60/257,610

<151> 2000-12-21

<150> US 60/282,745

<151> 2001-04-10

<160> 46

<170> PatentIn version 3.0

<210> 1

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<212> DNA

<213> Homo sapiens

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<222> (68)..(1372)

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      Met Gln Gly Gln Gly Arg Arg Arg Gly Thr Cys Lys Asp Ile
      1              5              10

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Phe Cys Ser Lys Met Ala Ser Tyr Leu Tyr Gly Val Leu Phe Ala Val
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ggc ctc tgt gct cca atc tac tgt gtg tcc ccg gcc aat gcc ccc agt      205
Gly Leu Cys Ala Pro Ile Tyr Cys Val Ser Pro Ala Asn Ala Pro Ser
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gca tac ccc cgc cct tcc tcc aca aag agc acc cct gcc tca cag gtg      253
Ala Tyr Pro Arg Pro Ser Ser Thr Lys Ser Thr Pro Ala Ser Gln Val
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tat tcc ctc aac acc gac ttt gcc ttc cgc cta tac cgc agg ctg gtt      301
Tyr Ser Leu Asn Thr Asp Phe Ala Phe Arg Leu Tyr Arg Arg Leu Val
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Leu Glu Thr Pro Ser Gln Asn Ile Phe Phe Ser Pro Val Ser Val Ser
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Gln	Ile	Leu	Gln	Gly	Leu	Gly	Phe	Asn	Leu	Thr	His	Thr	Pro	Glu	Ser	
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Ser	Lys	Asp	Leu	Thr	Leu	Lys	Met	Gly	Ser	Ala	Leu	Phe	Val	Lys	Lys	
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Glu	Leu	Gln	Leu	Gln	Ala	Asn	Phe	Leu	Gly	Asn	Val	Lys	Arg	Leu	Tyr	
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gaa	gca	gaa	gtc	ttt	tct	aca	gat	ttc	tcc	aac	ccc	tcc	att	gcc	cag	637
Glu	Ala	Glu	Val	Phe	Ser	Thr	Asp	Phe	Ser	Asn	Pro	Ser	Ile	Ala	Gln	
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His	Ile	Phe	Phe	Lys	Ala	Lys	Trp	Glu	Lys	Pro	Phe	His	Leu	Glu	Tyr	
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Glu	Leu	Asn	Cys	Phe	Val	Leu	Gln	Met	Asp	Tyr	Lys	Gly	Asp	Ala	Val	
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20

25

30

Cys Ala Pro Ile Tyr Cys Val Ser Pro Ala Asn Ala Pro Ser Ala Tyr
35 40 45

Pro Arg Pro Ser Ser Thr Lys Ser Thr Pro Ala Ser Gln Val Tyr Ser
50 55 60

Leu Asn Thr Asp Phe Ala Phe Arg Leu Tyr Arg Arg Leu Val Leu Glu
65 70 75 80

Thr Pro Ser Gln Asn Ile Phe Phe Ser Pro Val Ser Val Ser Thr Ser
85 90 95

Leu Ala Met Leu Ser Leu Gly Ala His Ser Val Thr Lys Thr Gln Ile
100 105 110

Leu Gln Gly Leu Gly Phe Asn Leu Thr His Thr Pro Glu Ser Ala Ile
115 120 125

His Gln Gly Phe Gln His Leu Val His Ser Leu Thr Val Pro Ser Lys
130 135 140

Asp Leu Thr Leu Lys Met Gly Ser Ala Leu Phe Val Lys Lys Glu Leu
145 150 155 160

Gln Leu Gln Ala Asn Phe Leu Gly Asn Val Lys Arg Leu Tyr Glu Ala
165 170 175

Glu Val Phe Ser Thr Asp Phe Ser Asn Pro Ser Ile Ala Gln Ala Arg
180 185 190

Ile Asn Ser His Val Lys Lys Lys Thr Gln Gly Lys Val Val Asp Ile
195 200 205

Ile Gln Gly Leu Asp Leu Leu Thr Ala Met Val Leu Val Asn His Ile
210 215 220

Phe Phe Lys Ala Lys Trp Glu Lys Pro Phe His Leu Glu Tyr Thr Arg
225 230 235 240

Lys Asn Phe Pro Phe Leu Val Gly Glu Gln Val Thr Val Gln Val Pro
245 250 255

Met Met His Gln Lys Glu Gln Phe Ala Phe Gly Val Asp Thr Glu Leu
260 265 270

Asn Cys Phe Val Leu Gln Met Asp Tyr Lys Gly Asp Ala Val Ala Phe
275 280 285

Phe Val Leu Pro Ser Lys Gly Lys Met Arg Gln Leu Glu Gln Ala Leu
290 295 300

Ser Ala Arg Thr Leu Ile Lys Trp Ser His Ser Leu Gln Lys Arg Trp
305 310 315 320

Ile Glu Val Phe Ile Pro Arg Phe Ser Ile Ser Ala Ser Tyr Asn Leu
325 330 335

Glu Thr Ile Leu Pro Lys Met Gly Ile Gln Asn Ala Phe Asp Lys Asn
340 345 350

Ala Asp Phe Ser Gly Ile Ala Lys Arg Asp Ser Leu Gln Val Ser Lys
355 360 365

Ala Thr His Lys Ala Val Leu Asp Val Ser Glu Glu Gly Thr Glu Ala
370 375 380

Thr Ala Ala Thr Thr Thr Lys Phe Ile Val Arg Ser Lys Asp Gly Pro
385 390 395 400

Ser Tyr Phe Thr Val Ser Phe Asn Arg Thr Phe Leu Met Met Ile Thr
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Thr Lys Ser
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Asn	Leu	Thr	Gln	Glu	Asn	Gln	Asp	Arg	Gly	Thr	His	Val	Asp	Leu	Gly	35	40	45	
Leu	Ala	Ser	Ala	Asn	Val	Asp	Phe	Ala	Phe	Ser	Leu	Tyr	Lys	Gln	Leu	50	55	60	
Val	Leu	Lys	Ala	Pro	Asp	Lys	Asn	Val	Ile	Phe	Ser	Pro	Leu	Ser	Ile	65	70	75	80
Ser	Thr	Ala	Leu	Ala	Phe	Leu	Ser	Leu	Gly	Ala	His	Asn	Thr	Thr	Leu	85	90	95	
Thr	Glu	Ile	Leu	Lys	Gly	Leu	Lys	Phe	Asn	Leu	Thr	Glu	Thr	Ser	Glu	100	105	110	
Ala	Glu	Ile	His	Gln	Ser	Phe	Gln	His	Leu	Leu	Arg	Thr	Leu	Asn	Gln	115	120	125	
Ser	Ser	Asp	Glu	Leu	Gln	Leu	Ser	Met	Gly	Asn	Ala	Met	Phe	Val	Lys	130	135	140	
Glu	Gln	Leu	Ser	Leu	Leu	Asp	Arg	Phe	Thr	Glu	Asp	Ala	Lys	Arg	Leu	145	150	155	160
Tyr	Gly	Ser	Glu	Ala	Phe	Ala	Thr	Asp	Phe	Gln	Asp	Ser	Ala	Ala	Ala	165	170	175	
Lys	Lys	Leu	Ile	Asn	Asp	Tyr	Val	Lys	Asn	Gly	Thr	Arg	Gly	Lys	Ile	180	185	190	
Thr	Asp	Leu	Ile	Lys	Asp	Leu	Asp	Ser	Gln	Thr	Met	Met	Val	Leu	Val	195	200	205	
Asn	Tyr	Ile	Phe	Phe	Lys	Ala	Lys	Trp	Glu	Met	Pro	Phe	Asp	Pro	Gln	210	215	220	
Asp	Thr	His	Gln	Ser	Arg	Phe	Tyr	Leu	Ser	Lys	Lys	Lys	Trp	Val	Met	225	230	235	240
Val	Pro	Met	Met	Ser	Leu	His	His	Leu	Thr	Ile	Pro	Tyr	Phe	Arg	Asp	245	250	255	
Glu	Glu	Leu	Ser	Cys	Thr	Val	Val	Glu	Leu	Lys	Tyr	Thr	Gly	Asn	Ala	260	265	270	
Ser	Ala	Leu	Phe	Ile	Leu	Pro	Asp	Gln	Asp	Lys	Met	Glu	Glu	Val	Glu	275	280	285	
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35 40 45
Phe Ala Phe Asn Leu Tyr Arg Arg Phe Thr Val Glu Thr Pro Asp Lys
50 55 60
Asn Ile Phe Phe Ser Pro Val Ser Ile Ser Ala Ala Leu Val Met Leu
65 70 75 80
Ser Phe Gly Ala Cys Cys Ser Thr Gln Thr Glu Ile Val Glu Thr Leu
85 90 95
Gly Phe Asn Leu Thr Asp Thr Pro Met Val Glu Ile Gln His Gly Phe
100 105 110
Gln His Leu Ile Cys Ser Leu Asn Phe Pro Lys Lys Glu Leu Glu Leu
115 120 125
Gln Ile Gly Asn Ala Leu Phe Ile Gly Lys His Leu Lys Pro Leu Ala
130 135 140
Lys Phe Leu Asn Asp Val Lys Thr Leu Tyr Glu Thr Glu Val Phe Ser
145 150 155 160
Thr Asp Phe Ser Asn Ile Ser Ala Ala Lys Gln Glu Ile Asn Ser His
165 170 175
Val Glu Met Gln Thr Lys Gly Lys Val Val Gly Leu Ile Gln Asp Leu
180 185 190
Lys Pro Asn Thr Ile Met Val Leu Val Asn Tyr Ile His Phe Lys Ala
195 200 205
Gln Trp Ala Asn Pro Phe Asp Pro Ser Lys Thr Glu Asp Ser Ser Ser
210 215 220
Phe Leu Ile Asp Lys Thr Thr Thr Val Gln Val Pro Met Met His Gln
225 230 235 240
Met Glu Gln Tyr Tyr His Leu Val Asp Met Glu Leu Asn Cys Thr Val
245 250 255
Leu Gln Met Asp Tyr Ser Lys Asn Ala Leu Ala Leu Phe Val Leu Pro
260 265 270
Lys Glu Gly Gln Met Glu Ser Val Glu Ala Ala Met Ser Ser Lys Thr

Lys Phe Leu Glu Asp Val Lys Lys Leu Tyr His Ser Glu Ala Phe Thr
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 Val Asn Phe Gly Asp Thr Glu Glu Ala Lys Lys Gln Ile Asn Asp Tyr
 145 150 155 160
 Val Glu Lys Gly Thr Gln Gly Lys Ile Val Asp Leu Val Lys Glu Leu
 165 170 175
 Asp Arg Asp Thr Val Phe Ala Leu Val Asn Tyr Ile Phe Phe Lys Gly
 180 185 190
 Lys Trp Glu Arg Pro Phe Glu Val Lys Asp Thr Glu Glu Glu Asp Phe
 195 200 205
 His Val Asp Gln Val Thr Thr Val Lys Val Pro Met Met Lys Arg Leu
 210 215 220
 Gly Met Phe Asn Ile Gln His Cys Lys Lys Leu Ser Ser Trp Val Leu
 225 230 235 240
 Leu Met Lys Tyr Leu Gly Asn Ala Thr Ala Ile Phe Phe Leu Pro Asp
 245 250 255
 Glu Gly Lys Leu Gln His Leu Glu Asn Glu Leu Thr His Asp Ile Ile
 260 265 270
 Thr Lys Phe Leu Glu Asn Glu Asp Arg Arg Ser Ala Ser Leu His Leu
 275 280 285
 Pro Lys Leu Ser Ile Thr Gly Thr Tyr Asp Leu Lys Ser Val Leu Gly
 290 295 300
 Gln Leu Gly Ile Thr Lys Val Phe Ser Asn Gly Ala Asp Leu Ser Gly
 305 310 315 320
 Val Thr Glu Glu Ala Pro Leu Lys Leu Ser Lys Ala Val His Lys Ala
 325 330 335
 Val Leu Thr Ile Asp Glu Lys Gly Thr Glu Ala Ala Gly Ala Met Phe
 340 345 350
 Leu Glu Ala Ile Pro Met Ser Ile Pro Pro Glu Val Lys Phe Asn Lys
 355 360 365
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 Met Gly Lys Val Val Asn Pro Thr Gln Lys
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Tyr Pro Arg Pro Ser Ser Thr Lys Ser Thr Pro Ala Ser
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Pro Ser Lys Asp Leu Thr Leu Lys Met Gly Ser Ala Leu
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Leu Glu Gln Ala Leu Ser Ala Arg Thr Leu Ile Lys Trp
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Gln Val Ser Lys Ala Thr His Lys Ala Val Leu Asp Val
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Thr Asn Lys Ala Thr
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Leu Glu

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Pro Ser Tyr Phe Thr
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atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga 540
ccacgcctcc cgtgctggac tccgacggct ctttcttct ctacagcaag ctcaccgtgg 600
acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc 660

acaaccacta cacgcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc 720
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Ala Ser Tyr Leu Tyr Gly Val Leu Phe Ala Val Gly Leu Cys Ala Pro
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1 5 10 15

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